

HUNTINGTON CITY  
ORDINANCE NO. 7-2015

AN ORDINANCE GOVERNING THE CONTROL OF BACKFLOW AND CROSS CONNECTIONS

WHEREAS, the purpose of this ordinance is to protect the water supply of Huntington City from contamination or pollution from any cross connections existing or potential; and to assure that approved backflow prevention assemblies are tested when put into service and at least on an annual basis thereafter. This ordinance is in compliance with Section R309.102.5 of the Utah Public Drinking Water Rules (UPDWR) and the Uniform Plumbing Code as adopted by the State of Utah (UPC); and,

WHEREAS, the installation or maintenance of any unprotected cross connection which would endanger the water supply of Huntington City is prohibited. Any such cross connection now existing or hereafter installed is hereby declared unlawful and shall be immediately protected or eliminated; and,

WHEREAS, the control or elimination of cross connections and the criteria for determining degree of hazard and prescribing appropriate levels of protection shall be in accordance with the UPC and the UPDWR.

WHEREAS, water service to any premise shall be contingent upon the customer providing appropriate cross connection control if determined necessary. Determinations and enforcement shall be the responsibility of Castle Valley Special Service District in conjunction with Huntington City. Water service may be refused or terminated to any premises where an unprotected cross connection may allow contamination or pollutants to backflow into the public drinking water system.

WHEREAS, authorized employees of Castle Valley Special Service District with proper identification, shall have free access at reasonable hours of the day, to all areas of a premise or building to which drinking water is supplied for the purpose of conducting hazard assessment surveys. Water service may be refused or terminated, or maximum backflow protection may be required, to the premise where access to perform surveys is denied, where unprotected cross connections are located, or in the event that installed assemblies are not tested and maintained as required by State and local regulations.

WHEREAS, before any water service is terminated, a "due process" of notifying the customer and providing a reasonable time for compliance to be achieved will be observed according to the operating procedures of Castle Valley Special Service District. However, in the event of an actual backflow incident which endangers the public health, water service may be terminated immediately and not be restored until the cross connection is either eliminated or adequately protected.

WHEREAS, Huntington City Council desires to mandate control of backflow and cross connections in compliance with Section R309.102.5 of the Utah Public Drinking Water rules and the Uniform Plumbing code as adopted by the State of Utah;

NOW, THEREFORE, be it ordained by the Huntington City Council as follows;

1. The Huntington City Council adopts the Ordinance attached herewith as Appendix A and entitled Control of Backflow and Cross Connections.
2. This Ordinance shall take effect immediately.

PASSED and ordered posted by unanimous vote of the Huntington City Council at the regularly scheduled meeting of the Council on the \_\_\_\_\_ day of \_\_\_\_\_, 2015.

HUNTINGTON CITY

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
Huntington City Recorder

## APPENDIX A

### CONTROL OF BACKFLOW AND CROSS CONNECTIONS

#### SECTION 1. CROSS CONNECTION CONTROL - GENERAL POLICY

##### 1.1 Purpose of Ordinance

1.1.1 The purpose of this ordinance is: a) To protect the quality of water within the public drinking water supply of Huntington City from the possibility of contamination or pollution, and b) to comply with the State of Utah Public Drinking Water Rules, Section R309-102-5; and,

1.1.2 To promote the reasonable elimination or control of cross connections in the plumbing fixtures and industrial piping system(s) of the consumer, as required by the plumbing regulations to assure water system safety; and,

1.1.3 To provide for the administration of a continuing program of backflow prevention which will systematically examine risk and effectively prevent the contamination or pollution of the drinking water system.

##### 1.2 Responsibility: Drinking Water Purveyor

1.2.1 Castle Valley Special Service District shall be responsible for the protection of the drinking water distribution system from the conditions leading to the possible contamination or pollution of the drinking water system due to the backflow of contaminants or pollutants into the drinking water supply.

1.2.2 Drinking water system surveys/inspections of the consumer's water distribution system(s) shall be conducted or caused to be conducted by individuals deemed qualified by and representing Castle Valley Special Service District. Survey records shall indicate compliance with the State of Utah administrative rules. All such records will be maintained by Castle Valley Special Service District.

1.2.3 Castle Valley Special Service District shall schedule and notify in writing, all consumers of the need for the periodic system survey to insure compliance with existing applicable minimum health and safety standards.

1.2.4 The appropriate backflow prevention devices shall be identified as a result of the system survey.

##### 1.3 Responsibility: Consumer

1.3.1 To comply with this ordinance as a term and condition of water supply and consumers's acceptance of service is admittance of his/her awareness of his/her responsibilities as a water system user.

1.3.2 It shall be the responsibility of the consumer to purchase, install, and arrange and pay for testing and maintenance of any backflow prevention device/assembly required to comply with this ordinance. Failure to comply with this ordinance shall constitute grounds for discontinuation of service.

#### 1.4 Responsibility: Plumbing Official

1.4.1 The plumbing official's responsibility to enforce the applicable sections of the plumbing code begins at the point of service (downstream or consumer side of the meter) and continues throughout the length of the consumer's water system.

1.4.2 The plumbing official will review all plans and installations to ensure that unprotected cross connections are not an integral part of the consumer's water system. If a cross connection cannot be eliminated, it must be protected by the installation of an air gap or an approved backflow prevention device/assembly, in accordance with the Uniform Plumbing Code.

#### 1.5 Responsibility: Certified Backflow Technician, Surveyor, or Repair Person

1.5.1 The certified backflow technician, surveyor, or repair person (whether employed by the consumer or Castle Valley Special Service District to survey, test, repair, or maintain backflow prevention assemblies) will have the following responsibilities:

1. Insuring that acceptable testing equipment and procedures are used for testing, repairing, or overhauling backflow prevention assemblies.
2. Make reports of such testing and/or repairs to the consumer and Castle Valley Special Service District on forms approved by the Division of Drinking Water.
3. Include the list of materials or replacement parts being used on the reports.
4. Ensure that replacement parts are equal in quality to parts originally supplied by the manufacturer of the assembly being repaired.
5. Not changing the design, material, or operational characteristics of the assembly during testing, repair, or maintenance.
6. Performing all tests of the mechanical devices/assemblies and shall be responsible for the competence and accuracy of all tests and reports.
7. Ensure that his/her license is current, the testing equipment being used is acceptable to the State of Utah, and is in proper operating condition.
8. Being equipped with, and competent to use, all necessary tools, gauges, and other equipment necessary to properly test and maintain backflow prevention assemblies.

9. Tagging each double check valve, pressure vacuum breaker, reduced pressure backflow assembly, and high hazard air gap, and showing the serial number, date tested, and by whom. The certified technicians license number must also be on the tag.

#### 1.5.2 Responsibility: Repair of Backflow Assemblies

In the case of a consumer requiring an assembly to be tested, any currently certified backflow technician is authorized to make the test and report the results to the consumer and the water purveyor. If any commercially tested assembly is in need of repair, the Construction Trade License Act, Title 58, Chapter 55-2-(21), requires a licensed plumber to make actual repairs on any assembly within a building.

## SECTION 2. DEFINITIONS

2.1 Water Purveyor - The water department of Castle Valley Special Service District, is vested with the authority and responsibility for the implementation of an effective cross connection control program and for the enforcement of the provisions of this ordinance.

2.2 Approved Backflow Assembly - An assembly accepted by the Utah State Department of Environmental Quality, Division of Drinking Water, as meeting an applicable specification or as suitable for the proposed use.

2.3 Auxiliary Water Supply - Any water supply on or available to the premises other than the purveyor's public water supply will be considered as an auxiliary water supply. These auxiliary waters may include water from another purveyor's public potable water supply or any natural source(s) such as a well, spring, river, stream, etc., or "used waters" or industrial fluids." These waters may be contaminated or polluted or they may be objectionable and constitute an unacceptable water source over which the water purveyor does not have authority for sanitary control.

2.4 Backflow - The reversal of the normal flow of water caused by either back-pressure or back- siphonage.

2.5 Back-Pressure - The flow of water or other liquids, mixtures, or substances from a region of high pressure to a region of lower pressure into the water distribution pipes of a potable water supply system from any source(s) other than the intended source.

2.6 Back-Siphonage - The flow of water or other liquids, mixtures, or substances under vacuum conditions into the distribution pipes of a potable water supply system from any source(s) other than the intended source, caused by the reduction of pressure in the potable water system.

2.7 Backflow Prevention Assembly - An assembly or means designed to prevent backflow. Specifications for backflow prevention assemblies are contained within the Uniform Plumbing Code, Chapter 10, Section 1003, and in the Cross Connection Control Program of Utah maintained by the Division of Drinking Water.

2.8 Contamination - A degradation of the quality of the potable water supply by sewage, industrial fluids or waste liquids, compounds, or other materials that may create a health hazard.

2.9 Cross Connection - Any physical connection or arrangement of piping or fixtures which may allow non-potable water or industrial fluids or other material of questionable quality to come into contact with potable water inside a water distribution system. This would include temporary conditions, such as swing connections, removable sections, four-way plug valves, spools, dummy sections of pipe, swivel or change-over devices or sliding multi-port tubes or other plumbing arrangements.

2.10 Cross Connection - Controlled - A connection between a potable water system and a non-potable water system with an approved backflow prevention assembly properly installed and maintained so that it will continuously afford the protection commensurate with the degree of hazard.

2.11 Cross Connection - Containment - The installation of an approved backflow assembly at the water service connection to any customer's premises where it is physically and economically infeasible to find, permanently eliminate or control all actual or potential cross connections within the customer's water distribution system; or, it shall mean the installation of an approved backflow prevention assembly on the service line leading to and supplying a portion of a customer's water system where there are actual or potential cross connections which cannot be effectively eliminated or controlled at the point of the cross connection (isolation).

## SECTION 2. REQUIREMENTS

### 3.1 Policy:

3.1.1 No water service connection to any premises shall be installed or maintained by the water purveyor unless the water supply is protected as required by state laws, regulations, codes, and this ordinance. Service of water to a consumer found to be in violation of this ordinance shall be discontinued by the water purveyor until such conditions or defects are corrected. If a backflow prevention assembly required by this ordinance for the control of backflow and cross connections is not installed, tested, and maintained, or If it is found that a backflow prevention assembly has been removed or bypassed, or If an unprotected cross connection exists on the premises, or If the periodic system survey has not been conducted. Service will not be restored until such conditions or defects are corrected.

3.1.2 The customer's system(s) shall be open for inspection at all reasonable times to authorized representatives of the water purveyor to determine whether cross connections or other structural or sanitary hazards exist (including violation of this ordinance), and to audit the results of the required survey (Utah Administrative Code R309-102-5).

3.1.3 Whenever the public water purveyor deems that a service connection's water usage contributes a sufficient hazard to the water supply, an approved backflow prevention assembly shall be installed on the service line of the identified consumer's water system, at or near the property line or immediately inside the building being served; but, in all cases, before the first branch line leading off the service line.

3.1.4 The type of protective assembly required under subsection 3.1.3 shall depend upon the degree of hazard which exists at the point of cross connection (whether direct or indirect), applicable to local and state requirements or resulting from the required survey.

3.1.5 All presently installed backflow prevention assemblies which do not meet the requirements of this section but were approved assemblies for the purposes described herein at the time of installation and which have been properly maintained, shall, except for the inspection and maintenance requirements under Subsection 3.1.6, be excluded from the requirements of these rules so long as the water purveyor is assured that they will satisfactorily protect the public water system. Whenever the existing unit is moved from the present location, or requires more than minimum maintenance, or when the water purveyor finds that the operation of this assembly constitutes a hazard to health, the unit shall be replaced by an approved backflow prevention assembly that meets all local and state requirements.

3.1.6 It shall be the responsibility of the consumer at any premises where backflow prevention assemblies are installed to have certified surveys/inspections and operational tests made at least once per year at the consumer's expense. In those instances where the public water purveyor deems the hazard to be great, he/she may require certified surveys/inspections and tests at a more frequent interval. It shall be the duty of the purveyor to see that these tests are made according to the standards set forth by the State Department of Environmental Quality, Division of Drinking Water.

3.1.7 All backflow prevention assemblies shall be tested within the (10) working days of initial installation.

3.1.8 No backflow prevention assemblies shall be installed so as to create a safety hazard. Example: Installed over an electrical panel, steam pipes, boilers, or above ceiling level.

### 3.2 Violations of this Policy:

If violations of this ordinance exist or if there has not been any corrective action taken by the consumer within ten (10) days of the written notification of the deficiencies noted within the survey or test results, then the water purveyor shall deny or immediately discontinue service to the premises by providing a physical break in the service line until the customer has corrected the condition(s) in conformance with all state and local regulations and statutes relating to plumbing, safe drinking water suppliers, and this ordinance.